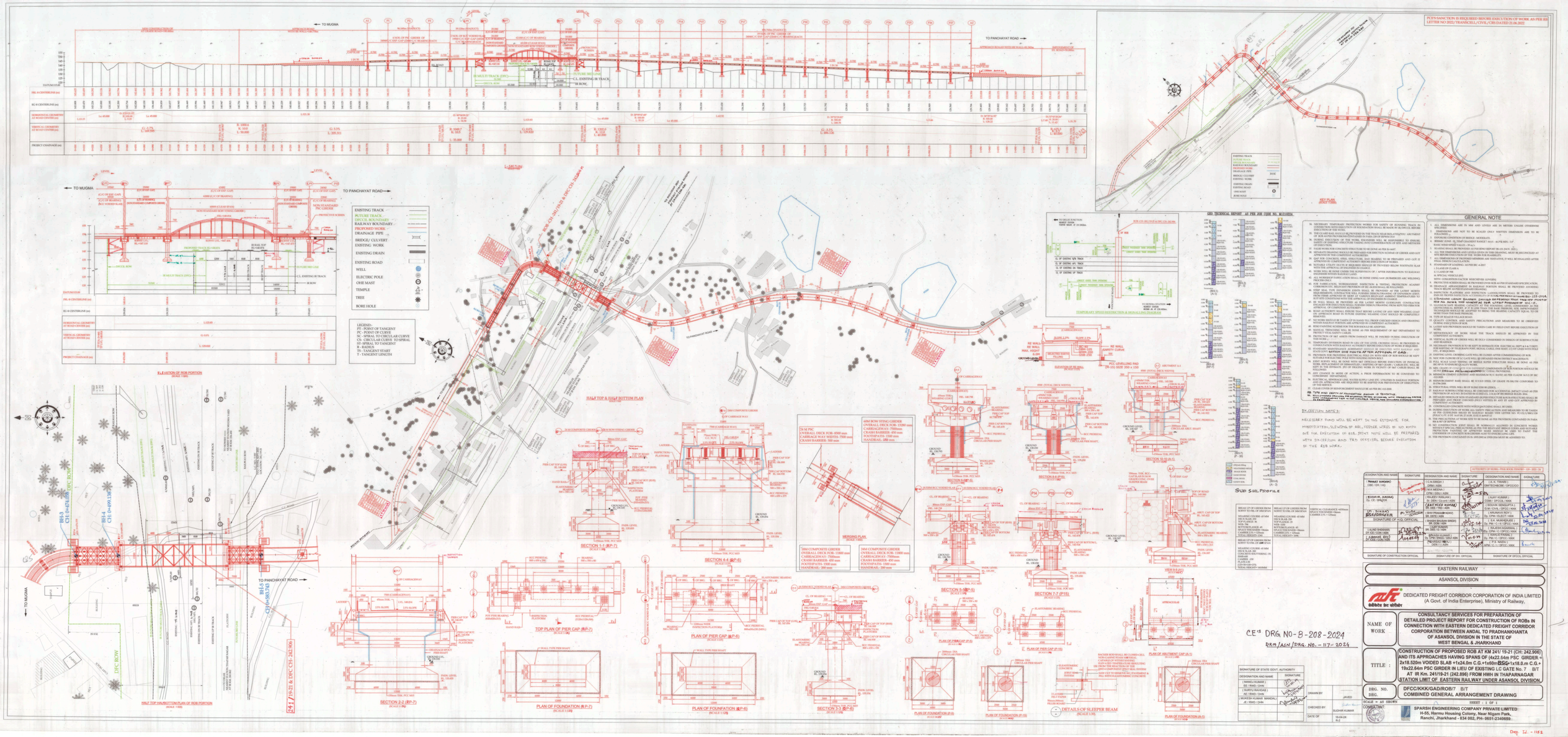
PCE'S SANCTION IS REQUIRED BEFORE EXECUTION OF WORK AS PER RB LETTER NO 2022/TRANSCELL/CIVIL/CRS DATED 21.06.2022



GENERAL NOTE

1. ALL DIMENSIONS ARE IN MM AND LEVELS ARE IN METRES UNLESS OTHERWISE SPECIFIED.
2. DIMENSIONS ARE NOT TO BE SCALED ONLY WRITTEN DIMENSIONS ARE TO BE FOLLOWED.
3. EXPOSURE CONDITION OF BRIDGE : MODERATE.
4. SOIL PARAMETERS : ANGLE OF INTERNAL FRICTION (RANGE) MAX - 40.0 PR.MIN. 3.0°
5. BASIC WIND SPEED VBASE = 39 m/s.
6. BEARING SHALL BE PROVIDED AS PER BRIDGE REPORT BR-155 (NOV- 2011).
7. ALL THE DIMENSIONS AND LEVELS GIVEN IN THE DRAWING MUST BE RECONCILED AT SITE BEFORE EXECUTION OF THE WORK FOR FEASIBILITY.
8. ALL DIMENSIONS AND LEVELS MUST BE CONFIRMED BY INSTALLING IT WILL BE FINALIZED AFTER FINAL PROJECT CONSULTANT.
9. STANDARD OF LOADING- AS PER IRC-6-2017
   - 1.1.0.0.0 OF CLASS A.
   - 6.1.1.0.0.0 OF THE
   - 6.1.1.0.0.0 OF 2010
   - WITH CONSTRUCTION VEHICLE MOVEMENT GOVERN.
10. PROTECTIVE SCREEN SHALL BE PROVIDED OVER ROB AS PER STANDARD SPECIFICATION.
11. DRAINAGE ARRANGEMENT IN RAILWAY PORTION SHALL BE PROVIDED AS EXISTING TRACK BELOW AS PER STANDARD DRAWING.
12. ALL WORKMANSHIP, FABRICATION, LATERAL/STEPS SHALL BE PROVIDED TO ENSURE SMOOTH PROVIDE INSPECTION ACCESSIBILITY OF ROB AS PER RDSO DRAWING NO- 18-2104.
13. STANDARD GIRDER SPACING SHOULD BE PROVIDED THAT THE OFF FIGHT OF ROADWAY AND RAILWAY ARE SAME AS THE ROAD ALIGNMENT.
14. ALL MATERIALS SHALL BE TESTED AS PER THE RELEVANT CODES AND SPECIFICATIONS, GEOTECHNICAL REPORT, IF IT IS LESS THAN THE BASE PRESSURE, SOIL IMPROVEMENT METHODS SHALL BE ADOPTED TO REACH THE REQUIRED CAPACITY EQUAL TO OR MORE THAN THE BASE PRESSURE.
15. TYPE OF ROAD IN VILLAGE ROAD.
16. ALL ROAD CONDITIONS AND SAFETY PRECAUTIONS AND MEASURES TO BE OBSERVED DURING CONSTRUCTION.
17. LATEST SOD PROVISIONS SHOULD BE TAKEN CARE BY FIELD EINT BEFORE EXECUTION OF WORK.
18. METEOROLOGY OF WORK NEAR THE TRACK SHOULD BE APPROVED BY THE CONCERNED AUTHORITY.
19. VERTICAL SLOPE OF GIRDER WILL BE FULL CONSIDERED IN THE CALCULATION OF SUBSTRUCTURE AND HEADING.
20. ROAD LIGHTING PROVISION TO BE KEPT IN OPPOSITE FOR ELECTRICAL DEPT & 6-8 TIMES FOR SHIFTING OF TELEGRAPH POST, MEDIA CABLE OVER SHEET, LUTIT LINES WITH POLES ETC, IF REQUIRED.
21. ROAD LIGHTING AND WARNING GATE WILL BE CLOSED AFTER COMMISSIONING OF ROB.
22. NOC FOR CLOSURE OF ROAD GATE WILL BE OBTAINED FROM DISTRICT MAGISTRATE.
23. FULL WALL SLAB TESTING OF WORKING PRESSURE SHOULD BE DONE AS PER RDSO TO ENSURE QUALITY WORK.
24. MIN. GRADE OF CONCRETE FOR DIFFERENT COMPONENTS OF ROB PORTION SHOULD BE M-35 AS PER IRC-112-2011 & IRC-112-2011 CLAUSE 6.1.2.
25. MINIMUM CLEARANCE LEFT/RIGHT AND MAXIMUM PLUT ALSO AS PER CLAUSE 16.5.1 OF IRC-112-2011.
26. PRESTRESSING TENDONS SHALL BE HIGH TENSILE STEEL OF GRADE FE-500/550 CONFORMS TO IS-1786-2008.
27. STRUCTURAL STEEL WILL BE OF HIGH TENSILE STEEL.
28. RAILWAY SUBSTRUCTURE SHALL BE CHECKED FOR ACCIDENTAL IMPACT LOAD AS PER PROVISION OF AS/NZS 3678:2011+A1:2013, 2.5.4.0 OF IR BRIDGE RULES 2014.
29. ROAD SUBSTRUCTURE SHALL BE CHECKED FOR ACCIDENTAL IMPACT LOAD AS PER PROVISION OF IRC-6-2017 SECTION-2 CLAUSE 208.3.1 & 208.3.2 OF IRC-6-2017 AND SHALL BE PROVIDED AND CHECKED JOINTLY WITH RV BY AND GRT APPROVED BY COMPETENT AUTHORITY.
30. ROAD LIGHTING PROVISION TO BE PROVIDED WITH QUALIFYING SHALL BE USED.
31. DURING EXECUTION OF WORK ALL SAFETY PRECAUTION AND MEASURES TO BE TAKEN AS PER GUIDELINES ISSUED BY RAILWAY BOARD VIDE LETTER NO. 97/CE/1/1/0/0/CM DATED 01.01.2000 & 01.08.2000 AND ITS AMENDMENT.
32. THE PROCEDURE OF WORK SITE TO BE DONE AS PER PROVISION CONTAINED IN PARA 904 & 907 OF IRCWR.
33. NO CONSTRUCTION JOINT SHALL BE NORMALLY ALLOWED IN CONCRETE WORKS WITHOUT SPECIAL PRECAUTIONS AS PER THE RELEVANT BRIDGE CODES AND NATURE OF WORK. CONSTRUCTION JOINT SHALL BE ALLOWED ONLY AT THE PLACE THE UNDERSIGNED OF CONCRETE BOUNDARIES AGAINST PRESSURE LONG LIFE.
34. THE PROVISION CONTAINED IN IS 1893:2002 & 13920:2016 MUST BE ADHERED TO.
35. NECESSARY TEMPORARY PROTECTION WORKS FOR SAFETY OF RUNNING TRACK IN CONJUNCTION WITH EXECUTION OF FOUNDATION DETAIL BE MADE IN ALL CIVIL BEFORE EXECUTION OF THE WORK.
36. ADEQUATE DRAINAGE SHOULD BE PROVIDED IN THE TRACK NEAR ROA, ATTACHED / ABUTMENT OF ROB AS PER PROVISION CONTAINED IN PARA 1304 OF IRCWR (LC).
37. DURING EXECUTION OF THE WORK, ENGINEERS WILL BE RESPONSIBLE TO ENSURE, THAT ADJACENT EXISTING STRUCTURE TAKING INTO CONSIDERATION OF SITE AND METHODS OF EXECUTION.
38. FALSE WORK FOR CONCRETE STRUCTURES TO BE DONE AS PER IS-5807.
39. SEPARATE DRAWINGS SHOULD BE PREPARED FOR ERECTION SCHEME OF GIRDER AND GOT APPROVED BY THE COMPETENT AUTHORITIES.
40. SEPARATE DRAWINGS FOR PLACEMENT OF BEARING TO BE PREPARED AND GOT IT APPROVED BY COMPETENT AUTHORITY BEFORE EXECUTION OF WORKS.
41. SUITABLE UTILITY DUCTS IF REQUIRED SHOULD BE PROVIDED BELOW FOOTPATH SLAB AS PER RDSO DRAWING NO. 18-2104.
42. WORK WILL BE DONE UNDER FULL SUPERVISION OF / AFTER INFORMATION TO RAILWAY ENGINEERS WITHIN RAILWAY LAND.
43. ALL WORKMAN FABRICATION SHALL BE DONE USING SAW (SUBMERGED ARC WELDING) MACHINE.
44. FOR FABRICATION, WORKMANSHIP, INSPECTION & VISITING, PROTECTION AGAINST CORROSION ETC. RELEVANT PROVISION OF IRC, RAILWAY BOARD, BIS & RDSO SHALL BE FOLLOWED.
45. STEEP SEAL TYPE EXPANSION JOINTS SHALL BE PROVIDED AS THE LATEST MODEL DRAWING AND SPECIFICATION OF RDSO. THE JOINTS SHALL BE PROVIDED WITH ADEQUATE ENOUGH PROVIDE INSPECTION ACCESSIBILITY OF ROB AS PER RDSO DRAWING NO- 18-2104 SUIT SITE CONDITIONS WITH THE APPROVAL OF ENGINEER IN CHARGE.
46. ROAD WORK SHALL BE DONE AS PER IRC-37-2018 & IRC-81-2014 CONTRACTOR ENGAGED FOR EXECUTION SHALL ENSURE USEFUL DRAWING FROM REPUTED FIRM FOR APPROVAL OF COMPETENT AUTHORITY.
47. ROAD SURFACE SHOULD BE PROTECTED BEFORE LAYING OF ANY NEW WEARING COAT ETC. APPROACH ROAD IN FUTURE EXISTING WEARING COAT SHOULD BE COMPLETELY REMOVED.
48. ROAD SHOULD BE TAKEN UP IN HAND TILL PROOF CHECKED DESIGN AND DRAWING ON RAILWAY PORTION ARE APPROVED BY COMPETENT AUTHORITY.
49. RING PAINTING SCHEME FOR THE ROB SHOULD BE ADOPTED.
50. MANUAL THINCKING WILL BE DONE AS PER REQUIREMENT OF I&T DEPARTMENT TO PROTECT VITAL SAFETY CABLES.
51. ROAD WORK TO BE SAT ABOVE FROM DAMAGE WILL BE INSURED DURING EXECUTION OF THIS WORK.
52. TEMPORARY DIVERSION ROAD IN LIEU OF THE LEVEL CROSSING SHALL BE PROVIDED IN ACCORDANCE WITH RAILWAY BOARD'S LETTER NO. 2005/CE/1/1/0/0/CM DATED 01.08.2000.
53. STANDARD MAINTENANCE AGREEMENT SHOULD BE EXECUTED WITH RAILWAY AND STATE GOVT. BEFORE ONE MONTH AFTER APPROVAL OF GAD.
54. ROAD LIGHTING PROVISION TO BE KEPT IN OPPOSITE FOR ELECTRICAL DEPT & 6-8 TIMES FOR SHIFTING OF TELEGRAPH POST, MEDIA CABLE OVER SHEET, LUTIT LINES WITH POLES ETC, IF REQUIRED.
55. JOINT SURVEY WILL BE DONE WITH I&T OFFICIALS BEFORE EXECUTION OF INDIVIDUAL WORK. RELACEMENT OF DEMAGELEY / SHIFTING OF I&T GEAR / CABLES ETC. WILL BE DONE AT THE ESTIMATE. (PT OF INGOING WORK IN VICINITY OF I&T CABLES SHALL BE FOLLOWED.
56. ANY CHANGE IN MODE OF ACTION, A PRIOR INFORMATION TO BE CONVEYED TO CONCERNED DEPARTMENT.
57. ALL OTHER UTILITIES LIKE ROAD, WATER SUPPLY LINE ETC. UTILITIES IN RAILWAY PORTION AND ON APPROACHES ARE REQUIRED TO BE SHIFTED FOR PREVENTION OF DISRUPTION OF THE SERVICE.
58. ADEQUATE QUANTITY OF REINFORCEMENT SHOULD BE AS PER IRC-112-2011.
59. TYPE AND DEPTH OF FOUNDATION BASED ON TERTIARY STRUCTURE AND SHALL BE PROVIDED AS PER RDSO DRAWING NO. RDSO/B-11852 REV-1 AND RDSO/B-11852 REV-2 AND SHALL WORK AND SHALL DRAWING FROM REPUTED FIRM FOR APPROVAL OF COMPETENT AUTHORITY.
60. NECESSARY FUND WILL BE KEPT IN THE ESTIMATE FOR HIRE/STATION, SLEEPING OF ARL, FERRIES, ETC. BY NO WAYS DUE FOR EXECUTION OF ROB. JOINT NOTE WILL BE PREPARED WITH DY.CEE(CON) AND TRD OFFICIAL BEFORE EXECUTION OF THE ROB WORK.

DY.CEE(CON) NOTE:-

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DESIGNATION AND NAME	SIGNATURE	DESIGNATION AND NAME	SIGNATURE	DESIGNATION AND NAME	SIGNATURE
(PRANAY KUMAR) DBE / BR (HQ)		(C.N.SINGH) DRM / ASN (M.K.MEENA) DRM / DHN (RAJEEV RANJAN) SR.DEN / ASN		(A.K. TIWARI) SR.DFM/DHN / DFCCIL	
(SIDHIR ANAND) Sr. CE / BR(P)		(SANJAY KUMAR) SR.DEE / TRD / ASN (SACHIN KUMAR) SR.DEE / TRD / ASN		(VIJAY KUMAR) DGM / DFCCIL / KKK (ANJANIYA ROY) Sr. DFM / ELECT / KKK	
(Dr. SUHAS) SSE(WORKS)		(SHOB BHUSAN SINGH) SR. DEN / ASN (SUMIT KUMAR) SR. DEE / IC / ASN		(B.K. MAHPEJAE) Sr. PM / C / II / DFCC / KKK	
(ANJU SHEKHAR) DY. CE / CON / ASN		(SOURABH KUMAR) Sr. DSTE / ASN		(RAJESH SINGH) Sr. DEN / C / DFCC / KKK	
(A.K. DAS) Sr. DEE / CON		(ANJU SHEKHAR) Sr. DEN / C / DFCC / ASN		(SANJEEV PARSEE) Sr. PM / C / DFCC / KKK	
SIGNATURE OF CONSTRUCTION OFFICIAL		SIGNATURE OF ASN. OFFICIAL		SIGNATURE OF DFCCIL OFFICIAL	

SIGNATURE OF STATE GOVT. AUTHORITY	
DESIGNATION AND NAME	SIGNATURE
(MANOJ KUMAR) EE / RWD / DHN	
(SURYU RAVIDAS) AE / RWD / DHN	
(MUKESH KUMAR MANDAL) JE / RWD / DHN	

EASTERN RAILWAY

ASANSOL DIVISION

DEDICATED FREIGHT CORRIDOR CORPORATION OF INDIA LIMITED (A Govt. of India Enterprise), Ministry of Railway,

NAME OF WORK: CONSULTANCY SERVICES FOR PREPARATION OF DETAILED PROJECT REPORT FOR CONSTRUCTION OF ROBs IN CONNECTION WITH EASTERN DEDICATED FREIGHT CORRIDOR CORPORATION BETWEEN ANDAL TO PRADHANKHANTA OF ASANSOL DIVISION IN THE STATE OF WEST BENGAL & JHARKHAND

TITLE : CONSTRUCTION OF PROPOSED ROB AT KM 241/ 19-21 (CH: 242.906) AND ITS APPROACHES HAVING SPANS OF (4x22.64m PSC GIRDER + 2x18.520m VOIDED SLAB +1x24.0m C.G.+1x60m BSG+1x18.0 m C.G.+ 19x22.64m PSC GIRDER IN LIEU OF EXISTING LC GATE No. 7 B/T AT IR Km. 241/19-21 (242.896) FROM HWH IN THAPARNAGAR STATION LIMIT OF EASTERN RAILWAY UNDER ASANSOL DIVISION.

DRG. NO.	DFCC/KKK/GAD/ROB/7 B/T
DRG.	COMBINED GENERAL ARRANGEMENT DRAWING

DRAWN BY	JAVED	SHEET : 1 OF 1
CHECKED BY	SUDHIR KUMAR	SCALE = AS SHOWN
DATE OF	16-04-24 R-2	CONSULTANT: SPARSH ENGINEERING COMPANY PRIVATE LIMITED H-55, Harmu Housing Colony, Near Nigam Park, Ranchi, Jharkhand - 834 002, PH- 0651-2340699.

Dwg. No. - 1152